

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 April 2005 (14.04.2005)

PCT

(10) International Publication Number
WO 2005/032652 A1

(51) International Patent Classification⁷: **A61N 1/32**

(21) International Application Number:
PCT/GB2004/004165

(22) International Filing Date:
30 September 2004 (30.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0322851.7 30 September 2003 (30.09.2003) GB

(71) Applicant and

(72) Inventor: **CHAPMAN-JONES, David, John** [GB/GB];
3 Monastery Avenue, Dover CT16 1AB (GB).

(74) Agents: **JACKSON, Richard, Eric et al.**; Carpmaels &
Ransford, 43-45 Bloomsbury Square, London WC1A 2RA
(GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

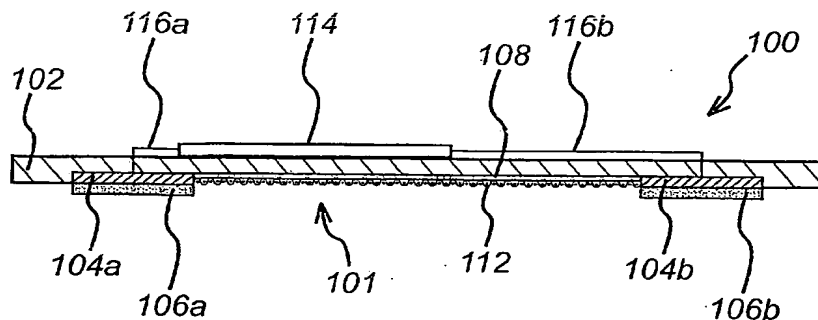
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DRESSING FOR TISSUE TREATMENT



(57) Abstract: A dressing for treating damaged tissue, incorporates a pair of electrodes and a conductive gel between the electrodes. An electric current passes between the electrodes through the gel to repair the damaged tissue. Sensors can be incorporated into the dressing along with a control unit. The control unit can vary current supplied to the electrodes according to environmental parameters detected by the sensors. Alternatively, one or more pre-defined programmes can be stored in the control unit for supplying an alternating current to the electrodes with a varying amplitude, frequency and waveform.

WO 2005/032652 A1